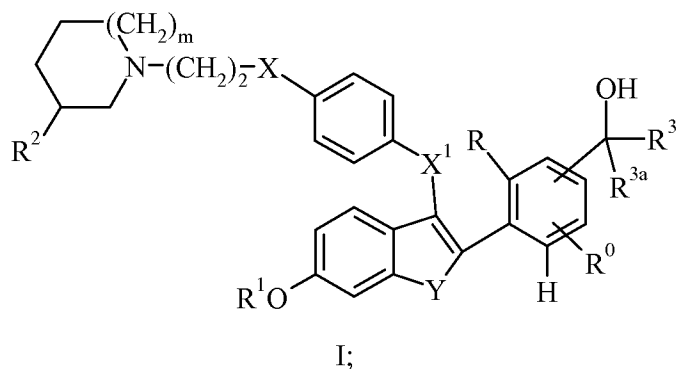


Amendments to the Claims

Without prejudice or disclaimer, this listing of claims will replace all prior versions and listing of claims in this application.

1. (Original) A compound of formula I:



wherein:

m is 0, 1 or 2;

R⁰ is H, F or OH;

R¹ is H, SO₂(n-C₄-C₆ alkyl) or COR⁴;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

X is O or NR⁵;

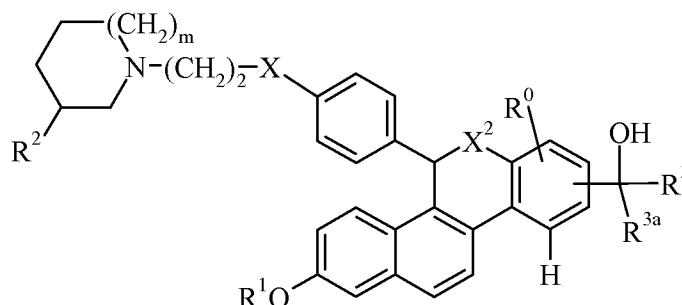
Y is S or CH=CH;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

R⁵ is H or C₁-C₆ alkyl;

R⁶ and R⁷ are independently H, C₁-C₆ alkyl or phenyl;

R is H and X¹ is O, CH₂ or CO or R combines with X¹ to form a moiety of the formula:



wherein X^2 is O or S; and

R^3 and R^{3a} are independently H or C_1-C_6 alkyl; or a pharmaceutical acid addition salt thereof.

2. (Currently Amended) The compound of claim 1 wherein R^0 is H, **R is H, R^1 is H or COR^4 , R^4 is C_1-C_4 alkyl, $NHCH_3$ or phenyl, X and X^1 are O and m is 1 or 2.**
- 3-5. Cancelled
6. (Currently Amended) The compound of ~~claim 5~~ **claim 2** wherein R^1 is H, **R^3 and R^{3a} are independently H or C_1-C_4 alkyl, Y is $CH=CH$ and m is 1.**
- 7-8 Cancelled
9. (Currently Amended) The compound of ~~claim 8~~ **claim 6** wherein R^3 and R^{3a} are independently H or methyl **and wherein the $COHR^3R^{3a}$ moiety is at position 4.**
10. Cancelled
11. (Currently Amended) The compound of ~~claim 2~~ **claim 1** wherein **R^0 is H, R combines with X^1 , R^1 is H or COR^4 , R^4 is C_1-C_4 alkyl, $NHCH_3$ or phenyl, X and X^2 are O and m is 1 or 2.**

12-13. Cancelled

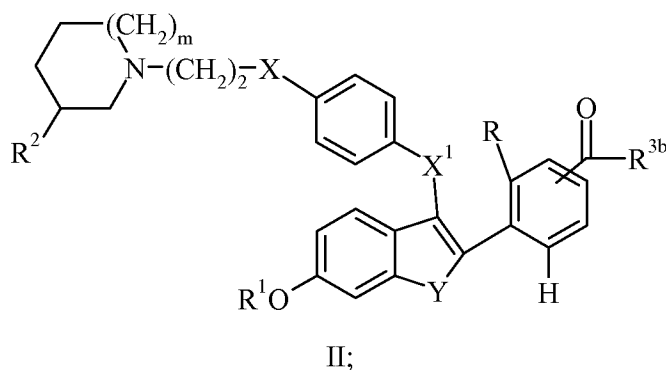
14. (Currently Amended) The compound of ~~claim 13~~ **claim 11** wherein R^1 is H, **R^3 and R^{3a} are independently H or C_1 - C_4 alkyl** and m is 1.

15. Cancelled

16. (Currently Amended) The compound of ~~claim 15~~ **claim 14** wherein R^3 and R^{3a} are independently H or methyl **and wherein the $COHR^3R^{3a}$ moiety is at position 4.**

17-18. Cancelled

19. (Previously Presented) A compound of formula II:



wherein:

m is 0, 1 or 2;

R^1 is H, $SO_2(n-C_4-C_6 \text{ alkyl})$ or COR^4 ;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

X is O or NR^5 ;

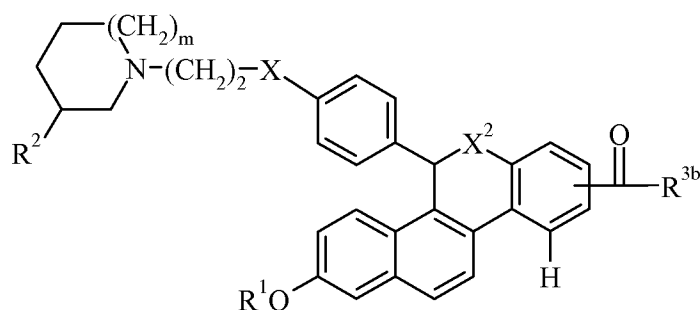
Y is S or $CH=CH$;

R^4 is C_1 - C_6 alkyl, C_1 - C_6 alkoxy, NR^6R^7 , phenoxy, or phenyl optionally substituted with halo;

R^5 is H or C_1 - C_6 alkyl;

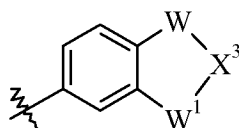
R^6 and R^7 are independently H, C_1 - C_6 alkyl or phenyl;

R is H and X^1 is O or CH_2 or R combines with X^1 to form a moiety of the formula:



wherein X^2 is O or S;

R^{3b} is NR^8R^9 or OR^{10} or when R is H, R^{3b} may combine with the phenyl with which it is attached to form a moiety of the formula:



wherein W and W^1 are CH_2 or $C=O$ provided that at least one of W or W^1 must be $C=O$; and X^3 is NR^{11} or O; and

R^8 and R^9 are independently H or C_1 - C_6 alkyl or R^8 and R^9 may combine with the nitrogen to which they are both attached to form a morpholino, pyrrolidino or piperidino ring;

R^{10} and R^{11} are independently H or C_1 - C_6 alkyl; or a pharmaceutical salt thereof.

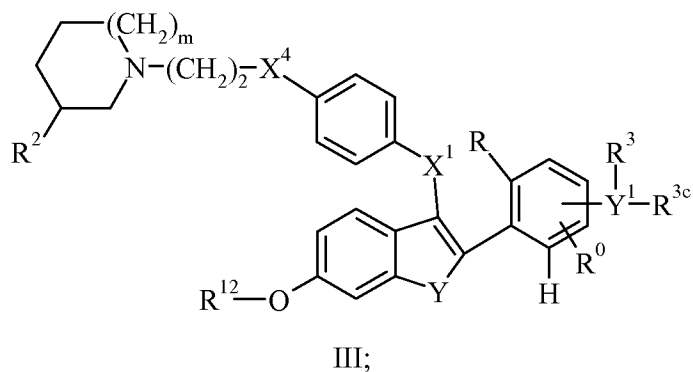
20. (Currently Amended) The compound of claim 19 wherein R^8 and R^9 are independently H or C_1 - C_6 alkyl, R^1 is H or COR^4 and R^4 is C_1 - C_4 alkyl, $NHCH_3$ or phenyl, X and X^1 are O and m is 1 or 2.

21-22. Cancelled

23. (Currently Amended) The compound ~~claim 22~~ claim 20 wherein R^1 is H, Y is $CH=CH$ and the COR^{3b} moiety is at the 3- or 4-position.

24-35 Cancelled

36. (Previously presented) A compound of formula III:



wherein:

m is 0, 1 or 2;

R⁰ is H, F or OH;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

Y is S or CH=CH;

Y¹ is C=O or C(OH);

R³ is H or C₁-C₆ alkyl;

R^{3c} is absent or is H or C₁-C₆ alkyl provided that if Y¹ is C(OH), then R^{3c} is H or C₁-C₆ alkyl and that if Y¹ is C=O, then R^{3c} is absent;

R¹² is H, C₁-C₆ alkyl, benzyl, SO₂CH₃, SO₂(n-C₄-C₆ alkyl) or COR⁴;

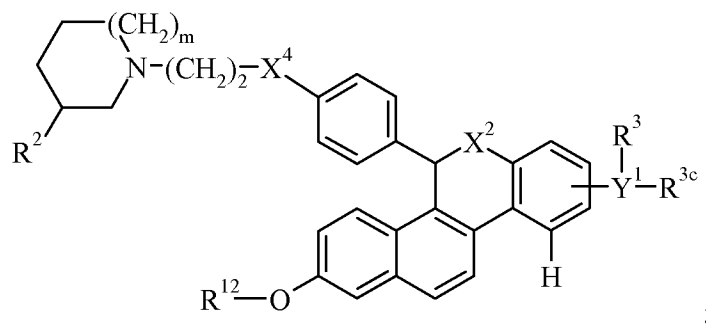
X⁴ is O or NR¹³;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

R⁶ and R⁷ are independently H, C₁-C₆ alkyl or phenyl;

R¹³ is H, C₁-C₆ alkyl or CO₂(C₁-C₆ alkyl); and

R is H and X¹ is O or CH₂ or R combines with X¹ to form a moiety of the formula:



wherein X^2 is O or S;

provided that if Y^1 is C(OH), then R^{12} is C_1 - C_6 alkyl, SO_2CH_3 or benzyl or X^4 is NR^{13} and R^{13} is $CO_2(C_1$ - C_6 alkyl); or an acid addition salt thereof.

37. (Currently Amended) The compound of claim 36 wherein R^0 is H, **R is H, R^{12} is SO_2CH_3 , benzyl or methyl, X^4 and X^1 are O and m is 1 or 2.**

38-40 Cancelled

41. (Currently Amended) The compound of ~~claim 40~~ **claim 37** wherein Y is $CH=CH$, **R^3 and R^{3c} are independently H or C_1 - C_4 alkyl** and m is 1.

42. Cancelled

43. (Currently Amended) The compound of ~~claim 42~~ **claim 41** wherein R^3 and R^{3c} are independently H or methyl **and the $Y^1R^3R^{3c}$ moiety is at position 4.**

44. Cancelled

45. (Currently Amended) The compound of claim 37 wherein **R^0 is H, R** combines with X^1 , **R^{12} is SO_2CH_3 , benzyl or methyl, X^4 is O and m is 1 or 2.**

46-47. Cancelled

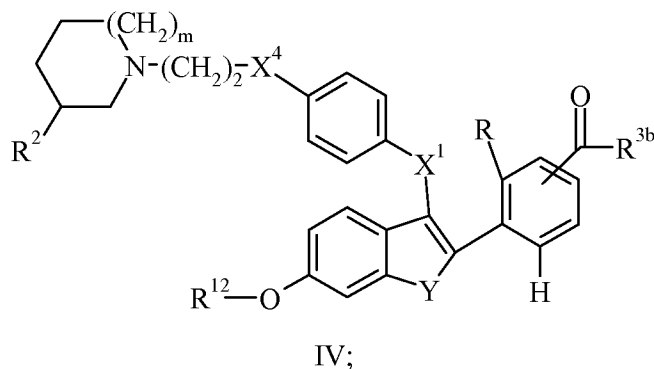
48. (Currently Amended) The compound of ~~claims 47~~ **claim 45** wherein **R³ and R^{3c} are independently H or C₁-C₄ alkyl**, X² is O and m is 1.

49. Cancelled

50. (Currently Amended) The compound of ~~claim 49~~ **claim 48** wherein R³ and R^{3c} are independently H or methyl **and the Y¹R³R^{3c} moiety is at position 4**.

51. Cancelled

52. (Previously presented) A compound of formula IV:



wherein:

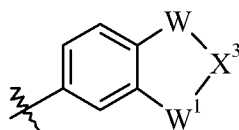
m is 0, 1 or 2;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

Y is S or CH=CH;

R¹² is H, C₁-C₆ alkyl, benzyl, SO₂CH₃, SO₂(n-C₄-C₆ alkyl) or COR⁴;

R^{3b} is NR⁸R⁹ or OR¹⁰ or when R is H, R^{3b} may combine with the phenyl with which it is attached to form a moiety of the formula:



wherein W and W¹ are CH₂ or C=O provided that at least one of W or W¹ must be C=O; and X³ is NR¹¹ or O;

X⁴ is O or NR¹³;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

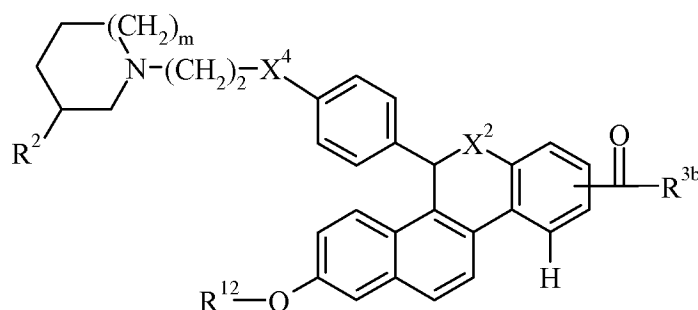
R⁶ and R⁷ are independently H, C₁-C₆ alkyl or phenyl;

R⁸ and R⁹ are independently H or C₁-C₆ alkyl or R⁸ and R⁹ may combine with the nitrogen to which they are both attached to form a morpholino, pyrrolidino or piperidino ring;

R¹⁰ and R¹¹ are independently H or C₁-C₆ alkyl;

R¹³ is H, C₁-C₆ alkyl or CO₂(C₁-C₆ alkyl); and

R is H and X¹ is O, CH₂ or CO or R combines with X¹ to form a moiety of the formula:



wherein X² is O or S;

provided that if R¹² is H, SO₂(n-C₄-C₆ alkyl) or COR⁴, then X⁴ is NR¹³ and R¹³ is CO₂(C₁-C₆ alkyl); or an acid addition salt thereof.

53. (Currently Amended) The compound of claim 52 wherein R⁸ and R⁹ are independently H or C₁-C₆ alkyl, X⁴ and X¹ are O, m is 1 or 2, R¹² is SO₂CH₃, benzyl or methyl, Y is CH=CH and the COR^{3b} moiety is at the 3- or 4-position.

54-57 Cancelled

58. (Currently Amended) The compound of ~~claim 57~~ claim 53 wherein the COR^{3b} moiety is at the 4-position, **R^{3b} is NR⁸R⁹ and R⁸ and R⁹ are independently H or C₁-C₄ alkyl.**
59. Cancelled
- 60 (Currently Amended) The compound of ~~claim 59~~ claim 53 wherein **the COR^{3b} moiety is at the 4-position,** R^{3b} is OR¹⁰ and R¹⁰ is H or C₁-C₄ alkyl.
- 61-63. Cancelled

Respectfully submitted,

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